

10 DEOXYRIBONUCLEIC ACID (DNA)	Page 1 of 2
TRAINING MANUAL: CASE APPROACH AND IDENTIFICATION OF BIOLOGICAL SUBSTANCES	Amendment Designator:
	Effective Date: 14-March-2006
<p>10 DEOXYRIBONUCLEIC ACID (DNA)</p> <p>10.1 GOALS</p> <p>10.1.1 To become familiar with the application of DNA analysis to forensic samples, including:</p> <p>10.1.1.1 Type/size of specimens required.</p> <p>10.1.1.2 Methods of specimen preservation and storage.</p> <p>10.1.1.3 Documentation required for case file.</p> <p>10.1.2 To become familiar with DNA testing procedures that are or have been conducted on casework and Data Bank samples by the Virginia Department of Forensic Science.</p> <p>10.1.2.1 DNA RFLP testing.</p> <p>10.1.2.2 DNA PCR-based typing systems.</p> <p>10.1.3 To become familiar with the purpose of the Combined DNA Index System (CODIS).</p> <p>10.2 TASKS</p> <p>10.2.1 Work with qualified examiners in assessing the suitability of forensic specimens for DNA analysis, including appropriate documentation.</p> <p>10.2.2 Read applicable literature. Refer to Appendix A.</p> <p>10.3 TRAINING EVALUATION</p> <p>10.3.1 Knowledge</p> <p>10.3.1.1 Review of notes in training notebook by training coordinator.</p> <p>10.3.1.2 Mini-mock trials/oral and practical examinations.</p> <p>10.3.1.3 Completion of checklist by training coordinator.</p> <p>10.3.2 Skills</p> <p>10.3.2.1 Observation by training coordinator or designee.</p> <p>10.3.2.2 Completion of checklist by training coordinator.</p>	

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CHECKLIST FOR DEOXYRIBONUCLEIC ACID (DNA)

Name of Trainee: _____

- Trainee is familiar with the type and size of specimens required for DNA analysis, the methods of specimen preservation and storage, and the required documentation for the case file.

Date: _____ Training Coordinator: _____

Comments: _____
- Trainee is familiar with DNA RFLP testing and DNA PCR-based typing systems previously or currently used for casework and Data Bank sample analysis by the Virginia Department of Forensic Science.

Date: _____ Training Coordinator: _____

Comments: _____
- Trainee is familiar with the purpose of the Combined DNA Index System (CODIS).

Date: _____ Training Coordinator: _____

Comments: _____
- Trainee has worked with qualified examiners in assessing the suitability of forensic specimens for DNA analysis and is familiar with the related documentation.

Date: _____ Training Coordinator: _____

Comments: _____
- Trainee's notebook is organized and complete.

Date: _____ Training Coordinator: _____

Comments: _____
- Trainee has participated in a mock trial and/or a practical or oral examination. Performance was satisfactory.

Date: _____ Training Coordinator: _____

Comments: _____

◆END